



# MODEL 230SSF/235SSF

Paired Swinging Stainless Steel U.L. Rated  
Fire Door System (Up to 3 hour "A" Label)

[Model 230SSF Manual](#) | [Model 235SSF Power](#)

## THE INDUSTRY'S UNPARALLELED DOOR SYSTEM OF CHOICE

Cleanseal's U.L. rated stainless steel swinging fire door system is designed, engineered and precision manufactured with over 30 years of experience partnering with the leading pharmaceutical companies and architects across the country. With our inclusive program we can engineer a complete interlock/access control system, packaged with the doors, to ensure flawless installation and start-up.

Using cutting-edge technology and exacting criteria for quality, these doors have surpassed market demands and exceed cGMP, FDA and EU requirements. Our quest for uncompromising quality, and our steadfast commitment to meet our customers' ever-changing expectations, is evident in our ability to provide a comprehensive single source for all their door, hardware and integration needs.



Shown with optional vision panel



### EXCEPTIONALLY CLEAN

16 ga. 304 #4 four sided seamless stainless steel panel will not fade or corrode and can withstand harsh chemical cleansing agents. The exclusive mitered corners of the frame are fully welded through the throat, then ground and polished. Exceeding cGMP, FDA and EMEA requirements

### SEAL EFFICIENCY

Utilizing a frame mounted, three-sided perimeter gasket, coupled with a bottom sweep gasket and panel mounted astragals.

### SECURE INTERLOCKS

Variety of electronic and mechanical locking options to meet the strict FDA/DEA requirements.

### TURNKEY SYSTEM

ASI provides a complete door system from panel choice, frame design, hardware selection, and interlocking design to complement any environment. This ensures an uninterrupted process in completing your project by maintaining a single source relationship.

### SUPERIOR PERFORMANCE

Time-tested, the Excel door series has proven to be the benchmark for the strict clean environment production area worldwide. Over 10,000 door systems installed globally reflects our experience and customer satisfaction.

### QUALIFIED

With over 55 years of experience, our professional sales team will ensure your mission-critical requirements, while maintaining our uncompromising dedication to quality and value added service.

# DESIGN AND CONSTRUCTION

## DOOR SIZES

- Up to 8' x 9' (For additional sizes - consult factory)

## PANEL CONSTRUCTION

- 1-3/4" thick 16 ga. 304 #4 stainless steel continuously welded, ground smooth refinished and repolished on all four sides and corners.
- All hardware locations reinforced with internal steel backing plates

## FRAME CONSTRUCTION

- 16 ga., 304 #4 stainless steel fully welded and polished (through frame faces and throat) stainless steel with 20 ga. stainless steel covers
- Available in single or double rabbet construction
- Prepped for a wide variety of hardware options

## HARDWARE

- Grade 1 Architectural hardware standard:
  - Hager BB1191 standard weight stainless steel fully mortised hinges
  - LCN 4041 heavy-duty closer
  - Stainless steel push/pull hardware
  - Frame mounted, three sided bulb type perimeter gasket and bottom sweep gasket

## PERFORMANCE FEATURES

- Manual open with standard spring assist closer
- Power operation utilizing an electromechanical operator, microprocessor controlled in 120 volt, single phase, with mechanical spring close
- Operator completely enclosed within a 16 ga. 304 #4 stainless steel sloped shroud
- Overhead presence sensor to provide threshold and swing slide obstruction detection
- Activation device to open; time delay to close
- In case of power failure, door can be opened manually

## OPTIONS

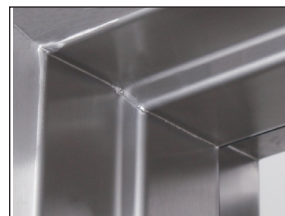
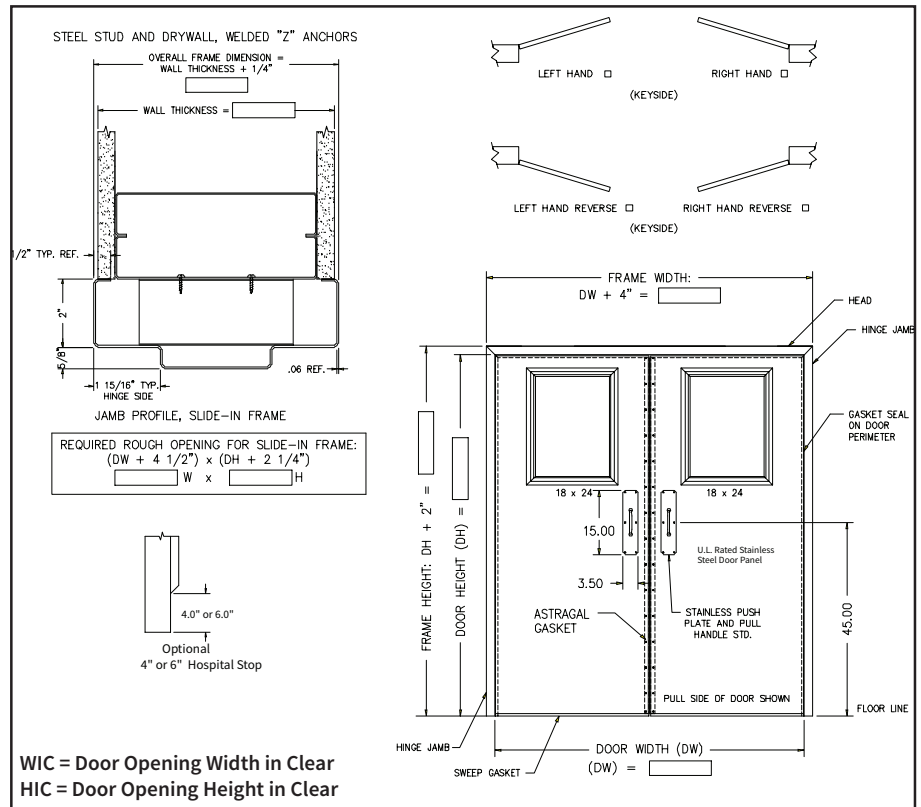
- U.L. rated vision panel with U.L. rated standard sloped frame (size and material subject to U.L. guidelines)
- All stainless steel construction available in 316L
- 14 ga. stainless steel frames
- Custom designed interlocking system
- Hospital stops 4" or 6"
- Stainless steel closer cover
- Can provide any major lines and grades of architectural hardware

## OPTIONS (POWER MODELS ONLY)

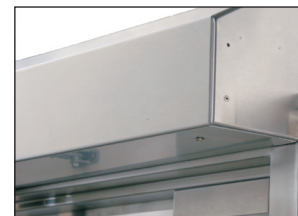
- Actuators: Variety of activation devices available

## WARRANTY

- One year limited warranty on all components



**Frame Assembly**  
Fully mitered and completely welded through the throat. Single or double rabbet



**Sloped Shroud for Power Units**  
For superior cleanliness and aesthetic appeal.



**Fully Mortised Hinges**  
Flush mortised hinges provide a clean and smooth finish to the door.



**Frame Assembly**  
Our seamless stainless steel panels are refinished and repolished on all four sides and corners.